



14230 U.S. PTO

Patent  
Attorney's Docket No. 03-4019

22141 U.S. PTO  
10/799177



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT  
APPLICATION TRANSMITTAL LETTER

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed for filing is the utility patent application of David Spencer Pearson and Brig Barnum Elliott for SYSTEMS AND METHODS FOR IMPLEMENTING ROUTING PROTOCOLS AND ALGORITHMS FOR QUANTUM CRYPTOGRAPHIC KEY TRANSPORT.

Also enclosed are:

- ☒ 11 sheet(s) of ☐ formal ☐ informal drawing(s);
- ☐ claim for foreign priority under 35 U.S.C. §§ 119 and/or 365 is ☐ hereby made to  
\_ filed in \_ on \_;
- ☐ in the declaration;
- ☐ a certified copy of the priority document;
- ☐ a General Authorization for Petitions for Extensions of Time and Payment of Fees;
- ☐ applicant(s) is/are entitled to Small Entity Status;
- ☒ an Assignment document and Assignment Recordation Cover Sheet;
- ☒ an Information Disclosure Statement and PTO-1449;
- ☒ A Request for Non-Publication is enclosed; and
- ☐ Other: \_;
- ☒ An ☒ executed ☐ unexecuted declaration of the inventor(s)  
☒ also is enclosed ☐ will follow.
- ☐ Please amend the specification by inserting before the first line the sentence -- This application claims priority under 35 U.S.C. §§ 119 and/or 365 to \_ filed in \_ on \_; the entire content of which is hereby incorporated by reference.--
- ☐ A bibliographic data entry sheet is enclosed.

☒ The filing fee has been calculated as follows ☐ and in accordance with the enclosed preliminary amendment:

CLAIMS					
	No. of Claims		Extra Claims	Rate	Fee
Basic Application Fee					\$770.00
Total Claims	27	Minus 20 =	7	x \$18.00 =	\$126.00
Ind. Claims	10	Minus 3 =	7	x \$ 86.00 =	\$602.00
If multiple dependent claims are presented, add \$290.00					
Total Application Fee					\$1,498.00
If Small entity status is claimed, subtract 50% of Total Application Fee					
Add Assignment Recording Fee if Assignment document is enclosed					\$40.00
<b>TOTAL APPLICATION FEE DUE</b>					<b>\$1,538.00</b>

- ☐ This application is being filed without a filing fee. Issuance of a Notice to File Missing Parts of Application is respectfully requested.
- ☒ Charge \$1,538.00 (application filing fee; claim fees and Assignment Recordation fee) to Deposit Account No. 07-2347 for the fee due.

- ☒ The Commissioner is hereby authorized to charge any other appropriate fees that may be required by this paper that are not accounted for above, and to credit any overpayment, to Deposit Account No. 07-2347. This paper is submitted in duplicate.

Respectfully submitted,

VERIZON CORPORATE SERVICES GROUP INC.

By: \_\_\_\_\_

  
Joel Wall

Reg. No. 25,648

Verizon Corporate Services Group Inc.  
600 Hidden Ridge Drive  
Mail Code: HQE03H14  
Irving, Texas 75038  
(972) 718-4800  
CUSTOMER NO. 32127

Date: March 12, 2004

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **David Spencer Pearson and Brig Barnum Elliott**

Docket No.

**03-4019**Serial No.  
unassignedFiling Date  
**March 12, 2004**Examiner  
unassignedGroup Art Unit  
unassigned

Invention:

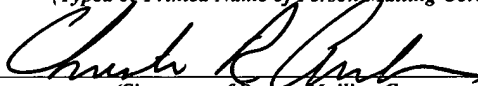
**SYSTEMS AND METHODS FOR IMPLEMENTING ROUTING PROTOCOLS AND ALGORITHMS FOR QUANTUM CRYPTOGRAPHIC KEY TRANSPORT**

I hereby certify that the following correspondence:

Utility application along with accompanying documentation as outlined in transmittal letter.

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

**March 12, 2004***(Date)***Christian R. Andersen***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EV 373627267 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
	)	
David Spencer PEARSON et al.	)	Group Art Unit: Unassigned
	)	
Application No.: Unassigned	)	Examiner: Unassigned
	)	
Filed: INSERT FILING DATE	)	
	)	
For: SYSTEMS AND METHODS	)	
FOR IMPLEMENTING ROUTING	)	
PROTOCOLS AND ALGORITHMS	)	
FOR QUANTUM	)	
CRYPTOGRAPHIC KEY	)	
TRANSPORT	)	

**REQUEST FOR NON-PUBLICATION OF APPLICATION AND  
CERTIFICATION UNDER 35 U.S.C. §122 (b)(2)(B)(i)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As an authorized agent of the above-identified applicant(s), the undersigned attorney hereby certifies that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. §122(b).


I further understand that this non-publication request may be rescinded at any time and if so, the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

I further understand that if applicant(s) subsequently file(s) an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the United States Patent and Trademark Office must be notified of such filing within forty-five (45) days after the date of the filing of such foreign or international application. I also understand that failure by applicant(s) to so notify the Patent and Trademark Office will result in abandonment of this application.

Respectfully submitted,

VERIZON CORPORATE SERVICES GROUP INC.

By: \_\_\_\_\_

  
Joel Wall  
Reg. No. 25,648

Verizon Corporate Services Group Inc.  
600 Hidden Ridge Drive  
Mail Code: HQE03H14  
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(972) 718-4800  
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